

Application of: Jae Gwang LEE
Serial No.: Not yet known
Preliminary Amendment

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior revisions, and listings, of claims in the application.

Listing of Claims:

1. (*Currently amended*) A method for providing a user with a predetermined search result list by a search engine, the method comprising the steps of:

maintaining a content information database storing at least one content and ~~information on~~ a registration date information for ~~of~~ the content;

maintaining a timer, the timer maintaining time information and a time function table, the time function table storing a predetermined time function having time difference information as a variable, wherein the time difference information is difference between ~~information on~~ the registration date information for ~~of~~ the content and the time information;

receiving a at least one keyword from a user terminal of the user with a search request;

searching for at least one content including the at least one keyword ~~by referring to~~ using the content information database;

computing accuracy of the searched content with respect to the at least one keyword, based on a predetermined accuracy computing criterion;

searching for ~~information on~~ the registration date information for ~~of~~ the searched content ~~by referring to~~ using the content information database;

computing time difference information by using ~~information on~~ the searched registration date information and the time information received from the timer;

computing a time function value corresponding to the computed time difference information by ~~referring to~~ using the time function table;

computing importance information of the searched content ~~by calculating~~ using the computed accuracy and the computed time function value; and

sorting at least one content in accordance with the computed importance information, thereby processing the sorted content into search result list information.

2. *(Currently amended)* The method of claim 1, further ~~including~~ comprising the step of maintaining a temporal adverb keyword database storing at least one predetermined temporal adverb keyword;

wherein the step of computing importance information with respect to the searched content ~~by calculating~~ using the computed accuracy and the computed time function value comprises the steps of:

abstracting at least one ~~the~~ temporal adverb keyword stored in the temporal adverb keyword database, from the searched content; and

in case that the temporal adverb keyword is abstracted from the searched content, multiplying predetermined weight to the computed importance information.

3. *(Original)* The method of claim 1, wherein the time function table records the time function value corresponding to the time difference information.

4. *(Original)* The method of claim 1, wherein the time function value is computed using at least one of a linear function, an exponential function, a quadratic function, a rectangular function, and a Gaussian Distribution function.

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5. (*Currently amended*) A method for providing a user with a predetermined search result list by search engine, the method comprising the steps of:

maintaining a content information database storing at least one content and ~~information on~~ a registration date information for ~~of~~ the content;

maintaining a temporal adverb keyword database storing at least one predetermined temporal adverb keyword and predetermined weight corresponding thereto;

maintaining a timer, the timer maintaining time information;

receiving a at least one keyword from a user terminal ~~of the user with a search request~~;

searching for at least one content including the keyword by referring to the content information database;

computing accuracy of the searched content with respect to the keyword, based on a predetermined accuracy computing criterion;

searching for ~~information on~~ the registration date information for ~~of~~ the searched content by referring to the content information database;

computing time difference information by using ~~information on~~ the searched registration date information and the time information received from the timer;

abstracting at least one ~~the~~ temporal adverb keyword stored in the temporal adverb keyword database, from the searched content; and

in case that the temporal adverb keyword is abstracted from the searched content, abstracting the weight corresponding to the abstracted temporal adverb keyword and the computed time difference information, by referring to the temporal adverb keyword database;

computing importance information by calculating the computed accuracy and the abstracted weight; and

sorting at least one content in accordance with the computed importance information,
thereby processing the sorted content into search result list information.

6. (*Currently amended*) The method of claim 1 ~~or~~ 5, wherein the weight is a value between 0 and 1.

7. (*Currently amended*) The method of claim 1 ~~or~~ 5, wherein the predetermined accuracy computing criterion in the step of computing the accuracy includes at least one selected from a group consisting of the number of the keywords included in the content, a location of the keyword, whether the content is a hyperlink included the content, and frequency of the keyword included in a second content connected by the hyperlink.

8. (*Currently amended*) The method of claim 1 ~~or~~ 5, wherein the content is news article data or knowledge search data.

9. (*Currently amended*) The method of claim 1 ~~or~~ 5, wherein the step of sorting at least one content in accordance with the computed importance information, thereby processing the sorted content into search result list information comprises the steps of:

determining whether the computed importance information is less than predetermined threshold; and

in case that it is determined that the importance information is less than the threshold, deleting the content from the search result list information.

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10. (*Currently amended*) The method of claim 1 ~~or 5~~, wherein the time information is current time information.

11. (*Currently amended*) The method of claim 1 ~~or 5~~, wherein the terminal of the user is a personal computer or a personal portable terminal.

12. (*Currently amended*) A computer readable record medium recording a program for implementing the method of ~~any one of claims~~ claim 1 ~~to 5~~.

13. (*Currently amended*) A system for providing a user with a predetermined search result list, the system comprising:

a content information database storing at least one content and ~~information on a~~ registration date information for ~~of~~ the content;

a timer maintaining time information;

a time function table storing a predetermined time function having time difference information as a variable, wherein the time difference information is difference between ~~information on~~ the registration date information for ~~of~~ the content and the time information;

an interface unit, the interface unit receiving a at least one keyword from a user terminal ~~of the user~~ and in response thereto, the interface unit transmitting search result list information to the terminal;

a database search unit, the database search unit searching for at least one content including the keyword and ~~information on~~ the registration date information for ~~of~~ the content, by referring to the content information database;

an accuracy computing unit computing accuracy of the searched content with respect to the keyword, based on a predetermined accuracy computing criterion;

an importance information computing unit, the importance information computing unit computing time difference information by using ~~information on~~ the searched registration date information and the time information received from the timer, the importance information computing unit computing a time function value corresponding to the computed time difference information by referring to the time function table, and the importance information computing unit computing importance information of the searched content by calculating the computed accuracy and the computed time function value; and

a search result processing unit sorting at least one content in accordance with the computed importance information, thereby processing the sorted content into search result list information.

14. (*Currently amended*) The system of claim 13, further comprising:

a temporal adverb keyword database storing at least one predetermined temporal adverb keyword and predetermined weight corresponding thereto;

a keyword abstracting unit abstracting the temporal adverb keyword stored in the temporal adverb keyword database, from the searched content; and

a weight information computing unit,

~~further comprising:~~

~~in case that the temporal adverb keyword included in the content is abstracted from the keyword abstracting unit, a~~ the weight information computing unit abstracting the weight with respect to the temporal adverb keyword by referring to the temporal adverb keyword database if

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the temporal adverb keyword included in the content is abstracted from the keyword abstracting unit; and

wherein the importance information computing unit computes the importance information by calculating the weight abstracted from the weight information computing unit with the accuracy and the time function value.

15. (*New*) The method of claim 5, wherein the weight is a value between 0 and 1.

16. (*New*) The method of claim 5, wherein the predetermined accuracy computing criterion in the step of computing the accuracy includes at least one selected from a group consisting of the number of the keywords included in the content, a location of the keyword, whether the content is a hyperlink included the content, and frequency of the keyword included in a second content connected by the hyperlink.

17. (*New*) The method of claim 5, wherein the content is news article data or knowledge search data.

18. (*New*) The method of claim 5, wherein the step of sorting at least one content in accordance with the computed importance information, thereby processing the sorted content into search result list information comprises the steps of:

determining whether the computed importance information is less than predetermined threshold; and

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in case that it is determined that the importance information is less than the threshold,
deleting the content from the search result list information.

19. (*New*) The method of claim 5, wherein the time information is current time information.

20. (*New*) The method of claim 5, wherein the terminal of the user is a personal computer or a
personal portable terminal.

21. (*New*) A computer readable record medium recording a program for implementing the
method of claim 5.